

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 161  | 382/116.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/08/03 13:19 |
| S2    | 62   | S1 and (fingerprint same card)                                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 14:41 |
| S3    | 857  | "382"/\$.ccls. and (fingerprint same card)                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 14:41 |
| S4    | 172  | "382"/\$.ccls. and (fingerprint same card same magnetic)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 14:46 |
| S5    | 78   | "382"/\$.ccls. and (fingerprint same card same magnetic) and quality | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 14:56 |
| S6    | 68   | ISO/IEC adj "7811"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 15:02 |
| S7    | 4    | S6 same fingerprint  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 15:01 |
| S8    | 3    | "6581839".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/01/05 15:01 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S9  | 44  | S5 and center                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 15:09 |
| S10 | 0   | S5 and (sensor adj center)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 15:09 |
| S11 | 1   | S5 and (center adj (value or pixel))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 15:10 |
| S12 | 12  | S5 and (center near2 (value or pixel)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 15:33 |
| S13 | 34  | fingerprint same (track adj "3")       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 16:23 |
| S14 | 337 | card same (track adj "3")              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 16:20 |
| S15 | 66  | S14 and fingerprint                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 16:23 |
| S16 | 1   | ("5363453").PN.                        | USPAT;<br>USOCR   | OR | OFF | 2006/01/06 07:43 |
| S17 | 140 | fingerprint same window same card      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/06 09:02 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S18 | 0   | fingerprint same ROI same card   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:02 |
| S19 | 207 | fingerprint same center same card  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:02 |
| S20 | 95  | fingerprint with center same card  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:54 |
| S21 | 15  | fingerprint with center with<br>(position or coordinate or location)<br>same card                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:15 |
| S22 | 15  | fingerprint with center with<br>(position or coordinate or location)<br>same (card or magnetic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:16 |
| S23 | 367 | fingerprint with (position or<br>coordinate or location) same (card<br>or magnetic)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:29 |
| S24 | 13  | fingerprint with (core) with<br>(position or coordinate or location)<br>same (card or magnetic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:35 |
| S25 | 1   | fingerprint with (align) with<br>(position or coordinate or location)<br>same (card or magnetic) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/06 09:35 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| S26 | 367  | fingerprint with (position or coordinate or location) same (card or magnetic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/01 15:54 |
| S27 | 981  | fingerprint with (center or core)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 09:54 |
| S28 | 258  | S27 same (area or window or roi or (region adj interest))                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 11:44 |
| S29 | 119  | S28 and card  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:38 |
| S30 | 6    | fingerprint same (finger adj guide) same (finger adj stop)                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:41 |
| S31 | 2    | "5412463".pn.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/06 15:41 |
| S32 | 4415 | overlapp\$3 near2 pixel   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/27 16:03 |
| S33 | 404  | "382"/\$.ccls. and (overlapp\$3 near pixel)                                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/27 16:03 |

## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S34 | 248 | "382"/\$.ccls. and (overlapp\$3 adj pixel)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/04/27 16:04 |
| S35 | 6   | "382"/\$.ccls. and ((overlapp\$3 adj pixel) same fingerprint)                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 10:24 |
| S36 | 926 | ((finger or thumb) near print) same (area or window or roi or (region adj interest)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/07 11:49 |
| S37 | 68  | S36 same (center or (centerline) or midpoint or centroid or (center near mass))      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 15:53 |
| S38 | 4   | ((finger or thumb) near print) same (feature near vector)                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/07 15:28 |
| S39 | 0   | ((WILLIAM) near2 (BARDWELL)). INV.   | EPO; JPO; DERWENT                                  | OR | OFF | 2006/11/07 12:48 |
| S40 | 4   | ((WILLIAM) near2 (BARDWELL)). INV.   | US-PGPUB; USPAT                                    | OR | OFF | 2006/11/07 12:49 |
| S41 | 646 | ((finger or thumb) near print) same (feature)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/07 15:28 |
| S42 | 41  | S41 same (center or centerline or centroid)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/07 15:35 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S43 | 79     | S41 same (distance or length)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 10:17 |
| S44 | 646    | ((finger or thumb) near print) same (feature)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 16:15 |
| S45 | 41     | S44 same (center or centerline or centroid)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 15:02 |
| S46 | 18     | S45 same (distance or length)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 11:59 |
| S47 | 79     | S44 same (distance or length)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 10:19 |
| S48 | 72     | (finger near print\$1) same feature same-(distance or length) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 10:22 |
| S49 | 510363 | feature same (distance or length)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 10:22 |
| S50 | 463    | S49 and ((thumb or finger) near print\$1)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 11:28 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S51 | 79     | S49 same ((thumb or finger) near print\$1)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 11:28 |
| S52 | 79     | S44 same (distance or length)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 14:42 |
| S53 | 1583   | ((finger or thumb) near print) same (feature or template or vector or pattern) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 11:59 |
| S54 | 142    | S53 same (distance or length)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 12:12 |
| S55 | 1335   | 382/124.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 12:12 |
| S56 | 335    | S55 and (distance or length or radius) and (center or centerline or centroid)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 15:34 |
| S57 | 231462 | feature same distance  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 13:42 |
| S58 | 225    | (finger near print) same ((predetermined or set) near3 distance or length)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/08 14:43 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| S59 | 245    | ((finger or thumb) near print) same (center or centerline or centroid)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/09 08:41 |
| S60 | 42     | S59 and "382"/\$.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/08 15:34 |
| S61 | 1634   | 382/124-126.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/08 15:34 |
| S62 | 1795   | 382/124-127.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/09 08:46 |
| S63 | 873035 | (distance or length or radius) same (center or centerline or centroid)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/08 15:35 |
| S64 | 197    | S62 and S63  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2006/11/08 15:35 |
| S65 | 103    | ("4210899"   "4537484"   "4581760"   "4784484"   "4790566"   "4805223"   "4821118"   "4876725"   "4930814"   "4931629"   "4933976"   "4947442"   "4947443"   "4975969"   "4993068"   "4995086"   "5067162"   "5105467"   "5144680"   "5175775"   "5239590").PN. OR ("5509083").URPN. | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2006/11/08 16:15 |

## EAST Search History

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S66 | 0     | ((finger or thumb) near print) same ROI same distance  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/09 08:40 |
| S67 | 87    | ((finger or thumb) near print) same (feature or ROI) same (distance or length or radius or diameter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 16:16 |
| S68 | 8     | S67 not S52  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/08 16:16 |
| S69 | 34599 | (row or yardstick) same (alternate or skip)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/09 08:39 |
| S70 | 49    | S69 and ((finger or thumb) near print)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/09 08:40 |
| S71 | 78    | ((finger or thumb) near print) and ((center or centerline or centroid) same (row or yardstick))      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/09 08:44 |
| S72 | 0     | ((finger or thumb) near print) same downsample\$3  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/09 08:45 |
| S73 | 6     | ((finger or thumb) near print) and downsample\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/09 08:46 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S74 | 1796 | 382/124-127.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/09 08:46 |
| S75 | 31   | S74 and (downsampl\$3 or low adj resolution)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/09 09:09 |
| S76 | 1    | ("7043061").PN.   | USPAT;<br>USOCR   | OR | OFF | 2006/11/09 09:09 |
| S77 | 7    | ("20030165261"   "4833724"   "5920063"   "6002815"   "6333989"   "6408087"   "6643389").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/11/09 09:09 |
| S78 | 740  | fingerprint\$3 near3 (yardstick\$1 or profile)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/29 12:12 |
| S79 | 57   | S78 and "382"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/29 12:13 |
| S80 | 21   | S79 and card  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/07/29 12:13 |
| S81 | 1466 | 382/124.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 10:53 |
| S82 | 9    | S81 and (yardstick\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 10:24 |

## EAST Search History

|     |       |   |  |    |     |                  |
|-----|-------|---|--|----|-----|------------------|
| S83 | 31    | ("2615992"   "2616983"   "2646465"   "2663758"   "2679636"   "2731621"   "3713100"   "3921136"   "4581760"   "4696046"   "4742551"   "4752966"   "4896363"   "4933976"   "4944021"   "5023921"   "5067162"   "5146548"   "5204761"   "5291560"   "5420937"   "5467403"   "5717469"   "5768441"   "6075876").PN. | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2007/08/01 10:48 |
| S84 | 7     | draganoff.in.   | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2007/08/01 10:53 |
| S85 | 49758 | feature same card   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 10:53 |
| S86 | 116   | S81 and S85   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 10:54 |
| S87 | 1466  | 382/124.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 15:53 |
| S88 | 541   | S87 and (center or (centerline) or midpoint or centroid or (center near mass))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 15:53 |
| S89 | 281   | S88 and (card or magnetic)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/08/01 15:54 |
| S90 | 2     | ("6301376").PN.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/03 13:19 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S91 | 31 | ("2615992"   "2616983"   "2646465"   "2663758"   "2679636"   "2731621"   "3713100"   "3921136"   "4581760"   "4696046"   "4742551"   "4752966"   "4896363"   "4933976"   "4944021"   "5023921"   "5067162"   "5146548"   "5204761"   "5291560"   "5420937"   "5467403"   "5717469"   "5768441"   "6075876").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/08/03 13:20 |
|-----|----|---|------------------------------|----|-----|------------------|